Use Attainability Analysis

for

WBID 0199 Turkey Creek

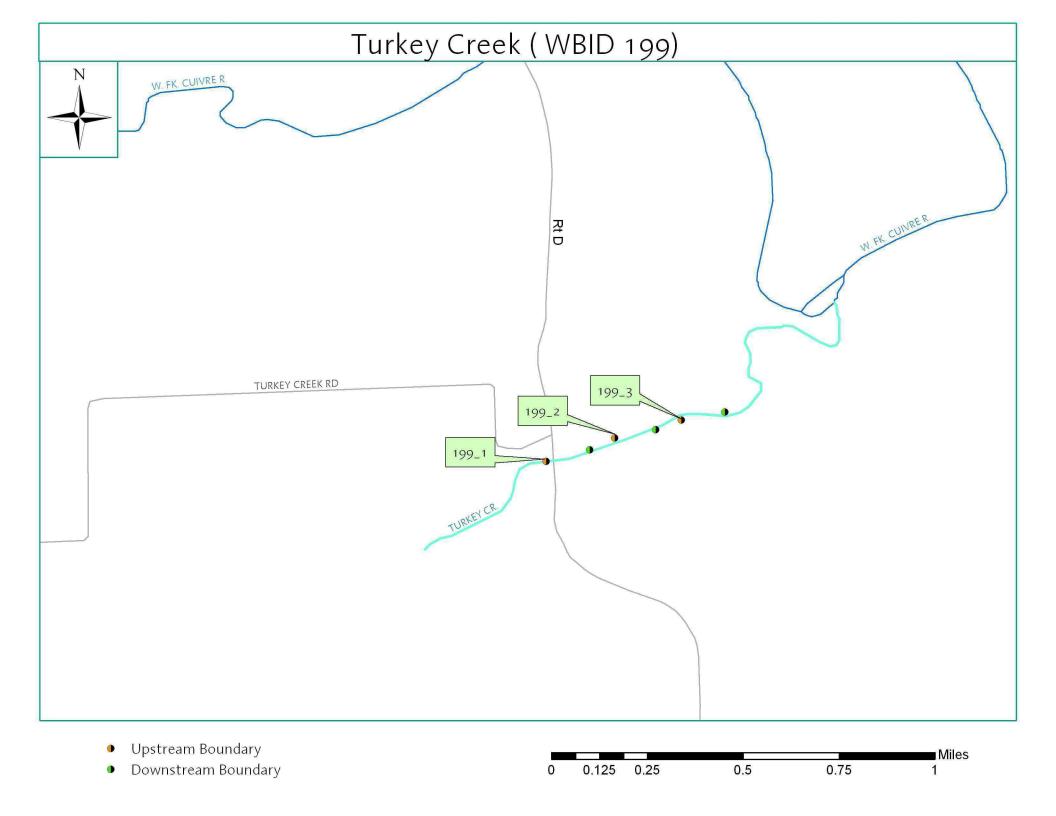
Submitted by MEC Water Resources

to Missouri Department of Natural Resources Water Protection Program

Date received: December 1, 2007

Data Sheet A - Water Body Identification

I. Water Body Information	For water body being surveyed)
Water Body Name (from U	ISGS 7.5' quad): Turkey CR
Missouri Water Body Iden	tification (WBID) Number: Ø 199
8-digit HUC: 2009	0108 County: Lincoln
Upstream Legal Description	n (from Table H): 21, 49 N, 2W
Downstream Legal Descri	otion(from Table H):
Number of sites evaluated	3
Site1: Hwy D Bno	
Site 2: 100 m d	nstream of site   site 2
	mation (list all permitted dischargers on the stream)
Discharger Facility Name	Hawk Pour WWIF
Discharger Permit Numbe	r(s): mo øø 28 <b>ø 5</b> 3
III. UAA Surveyor (please pr	int legibly)
	nee Martin Telephone Number: 573-875-7844
Organization/Employer: f	
Position: Env. Space	
Please verify that you have o	ompleted all sections, checked all applicable boxes and that everything is
complete.	$\ell$
Signed: ////////////////////////////////////	Date: 10/12/07
·	$\Omega = 0$



WBID#	0199
Site #	01

# Data Sheet B – Site Characterization (must be completed for each site)

Date & 7	Γime:	9/27	107 09	50	Site Location De	scription	(e.g., road crossi	ng):				
Personnel (Data Collectors):					HWY D 3	Hwy D Bridge						
Current '	Weath	er Condition	ns: Clea C	,	Facility Name:	Facility Name: Hawk Point wwTF						
Weather	Cond	itions for Pa	ast 10 days:	NCIE								
				7 - 2 -	e II □; Phase III □; Phas	<del></del>						
te Locat		5 10 5 1 10 10 10 10 10 10 10 10 10 10 10 10 1										
LOCATIO	Γ				MERCATOR PROJECTIO	TT .	ERS) zontal Accuracy:	apli				
Site 01	East	ing (UTM X	(): 43188W	Northi	ng (UTM Y): 066217	KEPI (EPI	E / FOM / PDOP)	24 Melers ++				
Site 11	East	ing (UTM )	():4318913	Northi	ng (UTM Y):06623	So Hori (EPE	zontal Accuracy: E / FOM / PDOP)	20 Meters ft				
otos:					:			and the second				
Photo II	D#	Phot	o Purpose	Photo II	O# Photo Purp	ose	Photo ID#	Photo Purpose				
101-24	14	upstre	am	1012	45 downstr	downstream						
		100		12.00								
Photo II	D#	Phot	o Purpose	Photo I	O# Photo Purp	ose	Photo ID#	Photo Purpose				
				<b>I</b>								
Photo I	D#	Phot	o Purpose	Photo I	D# Photo Purp	ose	Photo ID#	Photo Purpose				
							,					
es Obse	rved	*: (Uses actu	ally observed at time									
□ Swimming       □ Skin diving         □ Wind surfing       □ Kayaking         □ Hunting       □ Trapping			3 SCUBA diving	☐ Tul	oing	☐ Water skiing						
			] Boating	☐ Wa	ding	☐ Rafting						
		1	] Fishing	1/	ne of the above	☐ Other:						
Describe		de number of i interviews.)	ndividuals recreating,	, photo-docu	mentation of evidence of recre	eational uses	, etc. Use <i>Data Shee</i>	t D- Recreational Use Interview				
	личинь											
	auvimg											

Data Sheet B

WBID#	0199
Site #	01

### Data Sheet B – Site Characterization (continued)

	erozio • (iviaire air alac pro	Milote of II	mpede recreational uses. Attach	photos of evide	nce or unusual i	tems of in	terest.)						
☐ City/county park	s	□м	DC conservation lands	☐ Urban	areas		Rural Re	sidential					
☐ Campgrounds	☐ State parks	□ N	ational forests	☐ Nature		☐ Stairs/walkway							
☐ Boating accesses	s □ Fence	□ N	o trespass sign	Steep	slopes		Other:						
Comments:													
444-644-644-644-644-644-644-644-644-644													
Evidence of Human	Use*: (Attach photos ar	d referenc	ee in "Photos" section)										
☐ Roads	☐ Foot paths/pri	nts	☐ Dock/platform	☐ Camping	g Sites	☐ Roj	e swings	3					
□ RV / ATV Track	s		☐ NPDES Discharge	☐ Fishing	Tackle	☐ Liv	estock W	atering					
Comments / Other:													
none	· -												
Substrate*: (These val	ues should add up to 100%.)	Γ											
Substrate*: (These val			% Sand	% Silt	% Mu	ıd/Clay	40	% Bedrock					
	- 6		% Sand	% Silt	% Mu	nd/Clay	40	% Bedrock					
40 % Cobble	20 % Gravel	on or alga	% Sand  I growth at the assessment site)	% Silt	% Mu	ıd/Clay	40	% Bedrock					
40 % Cobble	20 % Gravel  *: (Note amount of vegetation)	on or alga		% Silt	% Mu	nd/Clay	40	% Bedrock					
40 % Cobble	20 % Gravel  *: (Note amount of vegetation)	on or alga		% Silt	% Mu	ıd/Clay	40	% Bedrock					
40 % Cobble	20 % Gravel  *: (Note amount of vegetation)	on or alga		% Silt	% Mu	nd/Clay	40	% Bedrock					
40 % Cobble	20 % Gravel  *: (Note amount of vegetation)	on or alga		% Silt	% Mu	nd/Clay	40	% Bedrock					
HO % Cobble  Aquatic Vegetation  Cuckwell a  algae  Water Characteris	20 % Gravel  *: (Note amount of vegetation)				,		40	% Bedrock					
Aquatic Vegetation  duckwell a	20 % Gravel  *: (Note amount of vegetation)  tics*: (Mark all that apply)			% Silt	,	nd/Clay	40	% Bedrock					
HO % Cobble  Aquatic Vegetation  Cuckwell a  algae  Water Characteris	20 % Gravel  *: (Note amount of vegetation)  tics*: (Mark all that apply  Sewage	.)	l growth at the assessment site)				40	% Bedrock					
Aquatic Vegetation  Available a la gare  Water Characteris  Odor:	20 % Gravel  *: (Note amount of vegetate)  tics*: (Mark all that apply  Sewage  Clear  C	.) Musky	l growth at the assessment site)	None		Other:	40	% Bedrock					

Data Sheet B

<sup>\*</sup>This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that effect another use.

WBID#	0199
Site #	- 01

## Data Sheet B - Site Characterization (continued)

Additional Stream Morphology: (Record isolated pools or other features identified during the survey that may support recreational uses) Distance from Channel Feature Width (m) Length (m) access location (m) Median Depth (m) Max Depth (m) Comments: (Please record any additional comments here.) Please verify that you have completed all sections, checked all applicable boxes, and that the form is complete.

"	コンシニウ ヘレヘニコン ス・・・・
Analysis Field	
e Attainabilitv	
S	
<b>Recreational</b> I	

ev Sheet	Dissolved Oxygen	ssolved Ox	t.52	Specific Cond: $500$ , $\emptyset$ (µS/cm) Water Temp.: $17$ , $7$ (°C)					Distance Di	(ii)	0.220.03 0.39	30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.06 11 80.0 80.0	0.00 IC. 0.09 Z	0.14 1.95 0.15	1.32009 234 6.10 3.12	1.54 0.06 2.73 0.073.64	1.76 0.01 3.1% 0.05 4.16	3.510.02	0 2.20 0 3.90 0 5.20 0		1000 1000	
recreational Ose Attainability Analysis Field Survey Sheet	Waterbody ID: 0   99 Site #: 0   99 _ 0 1	Estimated Channel Incision: (WBID_Site#) GPS Location (taken at transect 1):	UTM X: <u>4 3,8864</u> UTM Y: Qolo 2143 Horizontal Accuracy Estimate (GPS Data Quality): +/- 2 (feet)	GPS Location (taken at transect 11):  UTM X: 138913  UTM Y: 0002356  Horizontal Accuracy Estimate (GPS Data Quality): +/- 2 6 (feet)	s) Length of Surv (20x average strea	Field Staff: TH TF	Transect Gross-Section:	01 02 03 04 05 06 07 0	Distance Distance Distance Distance Count (m) (m) Count		D. 40.00 0.140.04 8.68 0.01 8.68 0.18 6.00 0.31	0.860.13 0.48 0.04 0.18 0.07 0.16 0.020.22 1 0.36 1 0.62	0.42 0.10 0.240.02 0.33 0.54	0.06 1.720.25 0.96 0.10 0.56 0.11 0.32 0.04 0.44 0.72	1.10 0.002.15 0.241.20 0.060.400.150.400.030.5c	5.0 180200 ht.1 0.0 86.7 hu. 20.1	1.5 8.08 3.01 0.21 1.68 0.020.98 0.12 0.56 0.50 36 0.01	100 000 0 21.1 100 100 100 100 100 100 100 100 100	1.40 v.v. 3.84 v. 10 2.16 p. 01 1.26 p. 07	0.50 0 4.35 0 6.40 0 1.45 0 0.85 0 1.15 0 1.80 0 3.10			In upstream to downstream order.  termine by dividing wetled width by ten) er unless depth is too deep to measure (then record as > 1)
									Station	Left Bank			••			<b>9</b>	. 6	<b>13</b>	<b>ර</b> ා	Right Bank	Feature Type (niffle, run, or pool)	Notes:	

Signed: Leminger Francis Date: 10/11/07

WBID#	0199
Site #	02

## Data Sheet B – Site Characterization (must be completed for each site)

						Site Location Desc	rintion (	a a road crossis	<i>ia</i> ):			
Date & T	ime:	7/27	107 10	010		100 m dns	trea	m of sit	e 01			
Personne	l (Data C	Collectors	JH TE	-								
			is: clear			Facility Name: Hawk Point wwTF						
			st 10 days: 🙉			Permit Number: r		10280	53			
Drought	Conditio	ns?: No	drought ; Phase	I □; Ph	ase II	ı; Phase III □; Phase	IV □; U	nknown 🗆				
ite Locat	ion:											
LOCATIO	N COOR					CATOR PROJECTION	IN MET	ERS)	<u> </u>			
Site 01	Easting	g (UTM X	1318963	North	ning (U	TM Y):066246	(EPE	ontal Accuracy: / FOM / PDOP)	20 Meters ++			
Site 11						TM Y):066262	Horiz EPE	ontal Accuracy: / FOM / PDOP)	19 35 1			
		5				·						
hotos:  Photo II	D#	Photo	o Purpose	Photo	ID#	Photo Purpos	e	Photo ID#	Photo Purpose			
101- 2		pstra		101-2	~	downstre						
Photo II	D#	Phot	o Purpose	Photo	ID#	Photo Purpose		Photo ID#	Photo Purpose			
Photo II	D#	Phot	o Purpose	Photo	ID#	Photo Purpos	e	Photo ID#	Photo Purpose			
Photo ii	U#	FIIOL	o i urpose	Thoto		Thoto Turpo						
ses Obse	rved*:	(Uses actua	ally observed at time	of survey	.)							
	nming	Ì	☐ Skin diving			CUBA diving	☐ Tub	ing	☐ Water skiing			
ļ			☐ Kayaking		□Во	oating	□ Wa	ding	☐ Rafting			
☐ Hunt	☐ Hunting ☐ Trapping			□ Fi			ne of the above	☐ Other:				
Describe	Describe: (Include number of individuals recreating, photo-documer when conducting interviews.)					tion of evidence of recreat			t D- Recreational Use Interview			
								A STATE OF THE STA				

Data Sheet B

WBID#	0199
Site #	02

### Data Sheet B - Site Characterization (continued)

Surrounding Con-	ditions*: (Mark a	ll that promote or	impede recreations	ıl uses. Attacl	n photos of evid	ence or unusual	items of ir	iterest.)			
☐ City/county pa	rks 🗆 Playg	rounds 🔲	MDC conservat	ion lands	□ Urba	n areas		Rural Re	esidential		
☐ Campgrounds	☐ State	parks 🔲	National forests		☐ Natu	☐ Nature trails			☐ Stairs/walkway		
☐ Boating access	es 🛮 🗆 Fence	No trespass sigr	L	Steep	slopes		Other:				
Comments:		SP	H								
Evidence of Huma	ın Use*: (Attach p	photos and referen	nce in "Photos" sec	tion)							
□ Roads	☐ Foot pa		☐ Dock/plat		☐ Campin	g Sites	☐ Ro	pe swings	S		
☐ RV / ATV Trac	cks	/ring	☐ NPDES D	ischarge	☐ Fishing	Tackle	☐ Liv	estock W	/atering		
Comments / Other:											
none											
Substrate*: (These v	alues should add up to	100%.)									
+0 % Cobbl	e 10 %G	ravel	% Sand		% Silt	% Mu	d/Clay	20	% Bedrock		
Aquatic Vegetation	<b>n*:</b> (Note amount of	vegetation or alg	al growth at the ass	essment site)							
(artails											
Water Characteris	stics*: (Mark all th	at apply.)				•	William				
Odor:	☐ Sewage	☐ Musky	☐ Chem	ical	None		ther:				
Color:	Clear	☐ Green	☐ Gray		☐ Milky	ΠО	ther:				
Bottom Deposit:	☐ Sludge	Solids	☐ Fine s	ediments	□ None	□ 0	ther:				
Surface Deposit:	Oil	☐ Scum	☐ Foam	<u></u>	□ None	□ o	ther:				
	<del></del>										

<sup>\*</sup>This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that effect another use.

WBID#_	0199
Site #	02

## Data Sheet B - Site Characterization (continued)

Additional Stream Morphology: (Record isolated pools or other features identified during the survey that may support recreational uses) Distance from Channel Feature Width (m) Length (m) access location (m) Median Depth (m) Max Depth (m) Comments: (Please record any additional comments here.) Please verify that you have completed all sections, checked all applicable boxes, and that the form is complete. Jennifu Habox Date of Survey: 9/27/07
Solutions Position: Env. Specialist

Recreational Use Attainability Analysis Field Survey Sheet

ield Survey Sheet  Dissolved Oxvnen	Dissolved Oxygen: ("sat)	Specific Cond: (µS/cm) Water Temp.: (°C)	Ø (meters) → R C		08 09 10	(m) (m) Depth (m) (m) Depth (m) (m) (m) (m) (m) (m) (m)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.42	59.0	95.1 960 45.0	92.11 50'1	1. 26 1. 144 2. 34 1. 4(2hou 1. 108 2. 32	1.68	12.16 1 3.51 1	0		10-12-01
Waterbody ID: 0   99	Site #: ULGTON (WBID_Site ion: 1,5 (m) (height betwee transect 1): UTM Y: 0 0 0 2 C G GPS Data Quality)	262633 24aality): +/-  9	Length of Surv 20x average strea	Fransect Gross   Section	01 02 03 04 05 06	Depth (m)         (m)         Depth (m)         (m)         Depth (m)         (m)	21.0 0.00 0.43 0.00 0.10 0.0 0.13 0.00 0.0 64.0 00.0	42.0 04.0 0.00 20.0 00.0 da.0 da.0	0.30 0.04 0.39 0.02	2.15 2 45 D.C. O. W.C	09.0 25.100.000.000.000.000.000.000.000.000.00	3.01 3.43 0.30 0.00 0.00 2.45 0.84.	08.2 00.0 1.01 00.0	1. 1. 2. 0.0 1. 1. 1. 0. 0. 1. 1. 1. 0. 0. 2. 1. 1. 0. 0. 1. 1. 1. 0. 0. 1. 1. 1. 0. 0. 1. 1. 1. 0. 0. 1. 1. 1. 0. 0. 1. 1. 1. 0. 0. 1. 1. 1. 0. 0. 1. 1. 1. 0. 0. 1. 1. 1. 0. 0. 1. 1. 1. 1. 0. 0. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	52. 0 03.50 0 05.1 0 00.1 0 05.4 0 0.21	day day and may also	Iransects will be measured beginning on left descending bank (0 depth) and finishing on nght descending bank (0depth). This width is the wetted width GPS location corresponds to Transect of and Transect of Transects ordered in upstream to downstream order.  Depth measurements taken at 10 equally spaced locations along transect (determine by dividing wetted width by ten).  Mark dry depth measurements as 0, record actual measurements to 0.01 meter unless depth is too deep to measure (then record as > 1).
						Station Left Bank	7	2	m -	2 1	9			Bight Bank		Feature Type (riffle, run, or pool)	Notes: Trange (1976) GPQ Dep Mari

Signed: \_ formites Habbe pate: 10/11/07

WBID#	0	-Cheromen	9	9
Site #		0	3	

## Data Sheet B – Site Characterization (must be completed for each site)

				(11140		iprotod for oden site)			
Date & T	ìme:	9/27	107 10	20		Site Location Desc			
Personne	l (Dat	a Collectors	s): 丁H/T	F		100m dn	STre	WW 0+ 3	17602
Current \	Weath	er Condition	ns: Clear			Facility Name: Ho	awk	Point 1	WTF
Weather	Cond	itions for Pa	st 10 days:	Jae	ral C	Permit Number:			
						; Phase III □; Phase			
Site Locat	ion:								
LOCATIO	N CO	ORDINATES	(UNIVERSAL TRA	NSVER	SE MERO	CATOR PROJECTION	, IN MET	ERS)	- <b>/</b> ///
Site 01	East	ing (UTM X	():4319038	Nort	hing (U	<sup>TM Y):</sup> 066274	Horiz HO(EPE	ontal Accuracy / FOM / PDOI	Meters +1
Site 11						TM Y)0662	I I I amia	zontal Accuracy / FOM / PDOI	/: / There is
				•					
Photos:									
Photo II	 D#	Phot	o Purpose	Photo	ID#	Photo Purpos	se	Photo ID#	Photo Purpose
101-2	101-248 Upstrea		eam	101-249		dnstream	n	101-250	rural residential
			305.50						
Photo II	)#	Phot	o Purpose	Photo	ID#	Photo Purpos	se	Photo ID#	Photo Purpose
101-23	51	Tire Si	wing						
								•	
Photo II	<b>)</b> #	Phot	to Purpose	Photo	ID#	Photo Purpos	se	Photo ID#	Photo Purpose
		<del>}</del>							
Uses Obse	rved	*: (Uses actu	ally observed at time	of survey	.)				
☐ Swin	nming	5	☐ Skin diving		□ sc	UBA diving	☐ Tub	oing	☐ Water skiing
☐ Wind	l surfi	ng	☐ Kayaking		☐ Boa	ating	□ Wa	ding	☐ Rafting
☐ Hunt			☐ Trapping		☐ Fis	hing	Nor Mor	ne of the above	□ Other:
Describe	(Inclu		ndividuals recreating	photo-do			tional uses	, etc. Use Data She	eet D- Recreational Use Interview
when cond	lucting	interviews.)							
			· · · · · · · · · · · · · · · · · · ·						

Data Sheet B

WBID#_	0199
Site #	03

### Data Sheet B – Site Characterization (continued)

Su	rrounding Cond	litions*: (Mark	all that promo	te or impede recreationa	l uses. Attacl	h photos of evide	nce or unusual	items of in	terest.)	
	☐ City/county par	ks 🗆 Playg	grounds	☐ MDC conservati	on lands	☐ Urban	areas		, Rural Re	esidential
	☐ Campgrounds	☐ State	parks [	☐ National forests		□ Nature	trails		Stairs/w	alkway
	☐ Boating accesse	es 🗆 Fenc	e   1	☐ No trespass sign		Steep	slopes		Other:	
	Comments:							•		
										•
Ev	idence of Huma	n Use*: (Attach	photos and re	ference in "Photos" sect	ion)	·		1		
	☐ Roads	☐ Foot p	aths/prints	☐ Dock/platf	orm	☐ Camping	Sites	⊠ Ro₁	pe swing	S
	☐ RV / ATV Trac	ks	it/ring	☐ NPDES D	scharge	☐ Fishing	Γackle	☐ Liv	estock V	Vatering
	Comments / Other:									
	non	U								
Su	bstrate*: (These va	alues should add up t	o 100%.)			·····				
	80 % Cobble	0 \	Gravel	% Sand		% Silt	% Mu	ıd/Clay	10	% Bedrock
				· · · · · · · · · · · · · · · · · · ·		•				
Ac	quatic Vegetation	<b>n*:</b> (Note amount o	f vegetation o	r algal growth at the ass	essment site)	)	•			
	none	and the same of th								
W	ater Characteris	stics*: (Mark all t	hat apply.)							
	Odor:	☐ Sewage	☐ Mus	ky 🗆 Chen	ical	□ None	jX(	Other: (	In	
	Color:	☐ Clear	☐ Gree	en □ Gray		☐ Milky		Other:	. )	
	Bottom Deposit:	☐ Sludge	∑ Soli	ds	sediments	□ None	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Other:	In	
Surface Deposit: Oil Scum Foam None Other:										
									114	

Data Sheet B

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WBID#_	019	9
Site #	03	

## Data Sheet B - Site Characterization (continued)

Additional Stream Morphology: (Record isolated pools or other features identified during the survey that may support recreational uses) Distance from Channel Feature Width (m) Length (m) access location (m) Median Depth (m) Max Depth (m) Comments: (Please record any additional comments here.) Please verify that you have completed all sections, checked all applicable boxes, and that the form is complete. Date of Survey: 9/27/07

Solutions Position: Env. Specialist

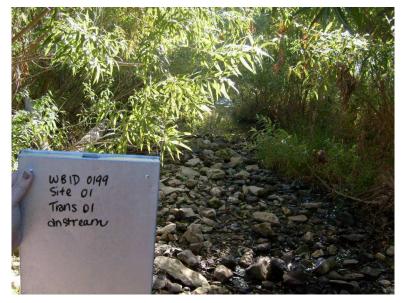
Anc 10-18-07 Organization:

Recreational Use Attainability Analysis Field Survey Sheet

		0201	(mg/L)	(% sat)		(mə/cm)	(5.)	<u> </u>							-	Distance (m)	<u> </u>	0	0.80	0.36	750	2		5 8	9	9	, , , , , , , , , , , , , , , , , , ,	720	55.	+		S			
		ie iii					•	. (		_	)	10000°		_	10	Distance Dist	(iii)		0.34 0.00 0.18	0.34	0	-				92.1	2.96 1.44	3.33 - 1.66	c			22	$\overline{}$	0	,
neet		1777	Dissolved Oxygen:	Dissolved Oxygen:	Specific Cond.		Water Temp.:			101		1	COOM A SEction of the Cooperation of the Cooperatio		60	Distance (m) Depth (m)	c		8	3.0	8	286						1.98 7 3.	2.25 0 3.				)	47 47	
Artalliability Analysis Field Survey Sheet	Dafo.			<b>ت</b>					(meters)	(6)20	-				80	(m) (m) Depth (m)	0	000	\$ C		1.35	98.						1 80.7	4.50		2		)		
Analysis Fie									ent: (50				Soction		02	Depth (m) (m) Depth (m)	0 - 0		_	3 in S	, , ,	36	94.	785	2.50	2000	7+.7	3.06	3.40 0		22	the wetted width	)	1	•
trampling)		idth and water)	מות אמופו)	(feet)			(feet)	(100)	Length of Survey Segment:	(20x average stream width)			Transect Gross Soction		90		0 0	0 00 0		3	060	(.20	<u>S</u>	S	200	100		1 2 2 2	0 3.000 0		2	nk (Odepth). This width is	by ten)	easure (then record as >	
T Declar	63	Site#) veen low bank w	( ) ( )	7-/		700			(meters) Length	(20x avera					US Distance		0 0	0.00 0.24 0			7,4,7	96:0	8	3	2	9 6		2	0 2.20		0	finishing on night descending bank (Odepth).	eam to downstreerfn orde by dividing wetted width	s depth is too deep to m	
	Site #: 0199 - 03	(WBID_Site#) (m) (height between low bank width and water		(GPS Data Quality): +		COCOLONO XMAIL	(GPS Data Quali	l.							Distance	(m)	0 0	0.00 0.32 6	200	9.0	9	82,	3.	767	224	201	2 00 1	6.00	0 2.22		$\overset{\sim}{\sim}$	and	ransects ordered in upstream to downstreerfi order long transect (determine by dividing wetted width t	ents to 0.01 meter unles	
	0	1 -		Horizontal Accuracy Estimate (GPS Data Quality):	of transcoot 44).	9042	Horizontal Accuracy Estimate (GPS Data Quality):	1	T: 7.40	າ of Reach)	ナーナリナル			02 03	Distance	Depth (m)	0	0.000.25	•				52:1	1.50	ž.	2,00	200		05'7		7	ng on left descending bar	qually spaced locations a	record actual measurem	nearest v.v1 meter.
	Waterbody ID: 0199	Estimated Channel Incision:	GPS Location (taken at transect 1):	Horizontal Ac	S. Location (taken	OTM X: 43/9042	Horizontal Ac		Average Stream Width:	( To determine Length of Reach)	Field Staff	Cod Cidir.		- 70	Distanc	Cepth (m)	o	5 0.00 0.71	24.0	3			(.05	1.26	3	3	4		2 7 0	apt	dry dm dny	GPS location corresponds to Transact 01 and Transact 44	Depth measurements taken at 10 equally spaced locations along transect (determine by dividing wetted width by ten)	Mark dry depth measurements as 0; record actual measurements to 0.01 meter unless depth is too deep to measure (then record as > 1)	יובוונפונים וכ מפ ופעפוו זכ ווע
		Est	<u>ත</u>		<u>å</u>	5			Ave	<u></u>		•			Station	T	Left Bank	2.00 3.000	20.30	30.45		99.00	2009	06.00	7 (1.8)	218			Kignt Bank 1.30	Feature Type (riffle,	run, or pool)	Notes: Hansect	Depth me	Mark dry All measu	

Signed: Stander Drabble Date: 10/11/01

## WBID# 0199 Turkey Creek



Site# 1 Photo ID# 245, Downstream



Site# 2 Photo ID# 247, Downstream

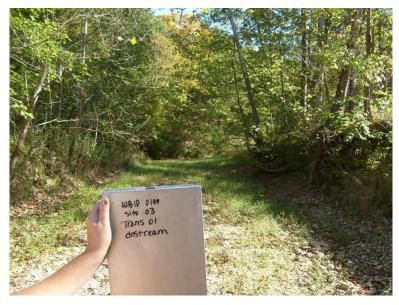


Site# 1 Photo ID# 244, Upstream



Site# 2 Photo ID# 246, Upstream

### WBID# 0199 Turkey Creek



Site# 3 Photo ID# 249, Downstream



Site# 3 Photo ID# 250, Rural Residential



Site# 3 Photo ID# 248, Upstream



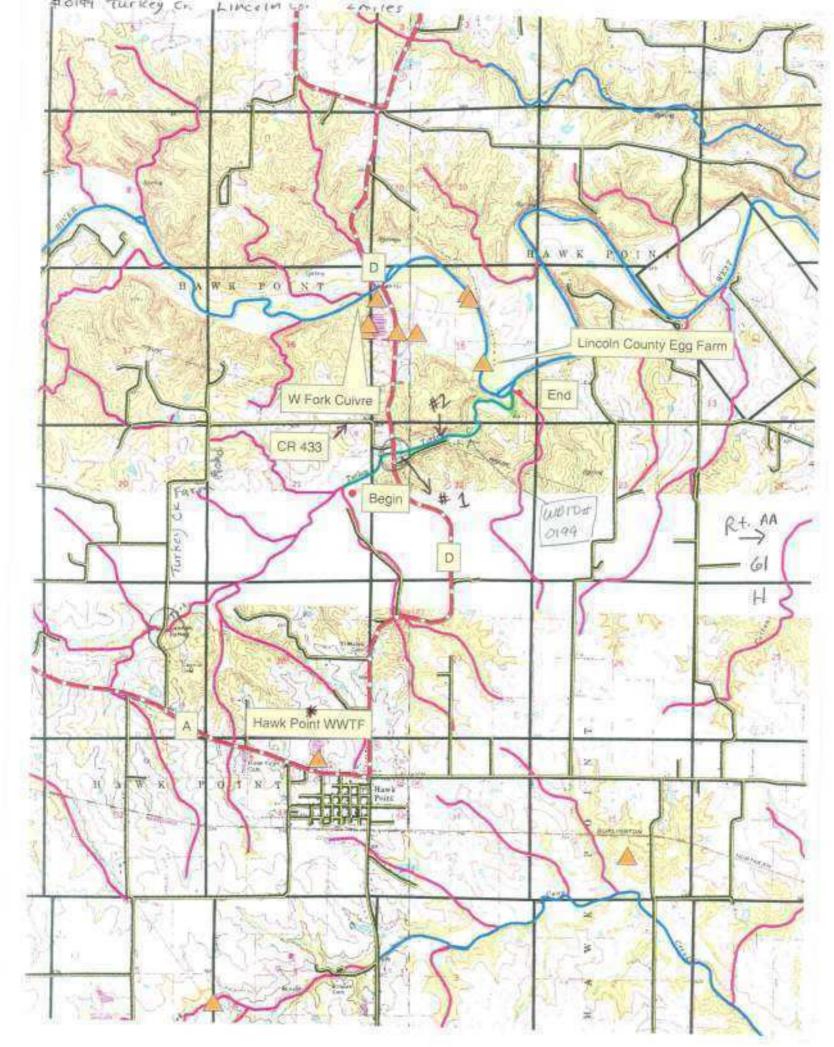
Site# 3 Photo ID# 251, Tire swing

August 30, 2005; 10:15 a.m.

At the time and date above, I called Deborah Hirchak (636-338-4460), who lives on Turkey Creek (WBID #199), to follow up on comments she submitted 7/13/05. She wrote that her son, nieces and nephews wade in the creek and there are "deep spots where they swim". The purpose of my phone call was to determine exactly where these activities occurred. She told me today that they swim near Turkey Creek Farm Road, which crosses the creek in the segment above where the UAA was performed. In checking the map, this is in the unclassified part of Turkey Creek. She says they swim there "all the time" in the summer.

I submit this as a follow-up interview.

Anne Peery DNR/WPP 8/30/05



Missouri Department of Conservation follow-up comments on Turkey Creek (WBID 0199)

Cindy DiStephano from MDC called the DNR office (WPP) in Jefferson City June 28, 2006. She said that MDC personnel have observed a plunge pool with tiki torches, a "real family spot" north of the Hwy D bridge over Turkey Creek. This is within the segment of the 2005 UAA.

I submit this as further evidence to support retaining the WBCR use for this creek.

Anne Peery 6/28/06

#### Data Sheet D-Recreational Use Interview

(A separate data sheet must be completed for each person interviewed.)

Interviewed: Date & Time: Reason for the Water Body S	egment Name and Identifies	down pow Public Comment	
	UNICHIDED VICED CHILDS	REN SHALL NOT BE INTERVIE	WEN
Legal Name: Current Addre How long hav Other Informa		E Columbia, Ma	
PERSONAL Do you or you	USE ur family recreate on the wat	er body? Yes No	
Activity	# of times/period	When? (season or year)	Where?
Swimming			
Kayaking			
Tubing			
Water Skiing			
Boating			
Wading			
Hunting			
Fishing			
Trapping			
Other			
If no, please s safety, velocit		al aesthetics, water quality, lack of d	lepth, weather,

May 18, 2005 Page 1 of 2

### Data Sheet D-Recreational Use Interview

the second second			-	للمتنا المدالية ا
AMPLI	NI	SSE	$\mathbf{D}$	18 F

	Has this activity	occurred :	since	November 28,	1975?	Yes	- No
--	-------------------	------------	-------	--------------	-------	-----	------

Activity	# of times/period	When? (season or year)	Where?
Swimming	Potentially year round	As mesched for survey	Bates Weldekes
Kayaking	W 45.		
Tubing			
Water Skiing			
Boating	Same as Above	SAR	SAG
Wading	SAA	SAA	SAG
Hunting			
Fishing			
Trapping			
Other			

	is conducted surveys of Freshwaters widseldepulation methods wellinds wadens and sworkling ordering.
	smu has established smuple sites . I tes I MO
H COSHESSIFTED HEADS AS NOT NOT YOU	A 10 YEARS.
ANECTODAL USE	(Uses that individuals have heard about, but not seen or done themselves.) since November 28, 1975? Yes No

Activity	# of times/period	When? (season or year)	Where?
Swimming	Saa	500	SMA
Kayaking			
Tubing			
Water Skiing			
Boating	SAR	50B	SAA
Wading	SAA	599	SAA
Hunting		=190000	
Fishing			
Trapping			
Other			

.000				
B (5)	C 122	***	1.00	MS
ALC: U	5.963		15.71	111.75

		Table 100 Control of the Control of	
SAAR	AS Abov	E COMME	10.75

	50	
Interviewer's Signature: Date: 7/10/04	R Duelo	_

May 18, 2005



"Cindy DiStefano "
<Cindy.DiStefano@mdc.mo.g
ov>

03/26/2008 11:34 AM

To "Michael Kruse" <michael.kruse@dnr.mo.gov>

CC

bcc

Subject Fwd: DNR Request - Sarah, Marv, Jen, Kenda

>>> Lynn Schrader 03/18/08 10:10 AM >>> Gang,

With this note, I'll confirm that the latter observations were after 1975....especially since a couple of you reporting may not of even been born yet.

Would you guys confirm to Cindy the request for Stater, Brushy, and Bigelow creeks, please.

I know, I know......the Clean Water Act says streams are suppose to be swimmable whether we actually saw someone or not. Cindy is doing her best for these.

Thanks,

Lynn

>>> Cindy DiStefano 3/14/2008 1:43 PM >>> Lynn,

The following is a request received from DNR that I have edited to pertain to your region. I have included only the streams in your region and added page numbers that correspond to the page numbers on the map file. Hopefully, this information will be easy to obtain. If possible, I would like the information by March 26th, so I can meet DNR's deadline.

Email from Mike Kruse, DNR:

I am following up on conversations you previously had with Donna Menown regarding the letter of comments provided to us from John Hoskins and the MDC on 8/24/2005. The letter pertains to observations of whole-body contact recreation in streams we completed Use Attainability Analyses for in 2005. After reviewing the 2005 UAAs additional questions arose that we hope you may be able to answer. We greatly appreciate all your help on this matter.

After reviewing the UAAs available on-line, it became apparent that some of the surveys were completed in locations other than the streams in question. Since the comments in the letter from the MDC did not provide WBID numbers and the maps provided in the 2005 UAAs may not be entirely accurate, we cannot be certain those observations came from the correct streams. Would you be able to tell us if the following observations were indeed made on the correct stream segments and equally important if the observations occurred after 11/28/1975? I have attached maps and locations of the streams in question.

Stater Cr. (WBID 1850): public swimming observed - Crawford Co. - Page 6
Brushy Fk. (WBID 33): children playing and splashing observed - Lincoln Co. - Page 8

#### » Fwd: DNR Request - Sarah, Marv, Jen, Kenda - Michael Kruse/WPCP/DEQ/MODNR

Bigelow's Cr. (WBID 1608): children playing and splashing observed -  $\operatorname{St.}$  Charles Co - Page 10

Additionally, the following list of streams is of those the MDC observed WBCR, however we need confirmation the actions occurred after 11/28/1975.

Whittenburg Cr. (WBID 1899): public swimming observed - Crawford Co. Birkhead Br. (WBID 34): children playing and splashing observed - Lincoln Co.

Paris Br. (WBID 176): children playing and splashing observed - Lincoln Co.

Turkey Cr. (WBID 199): public swimming observed - Lincoln Co. Mill Cr. (WBID 2124): public swimming observed - Washington Co.

I will be at a meeting next week, so if you have questions please contact  ${\tt Mike}$  at:

Mike Kruse

Div. of Env. Quality/Water Protection Program MO Dept. of Natural Resources, Jeff. City (573) 522-4901; FAX [522-9920] e-mail: michael.kruse@dnr.mo.gov

Thanks! Cindy

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Maps\_UAA Kruse.doc